

Product datasheet for **SC117228**

Translin (TSN) (NM_004622) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Translin (TSN) (NM_004622) Human Untagged Clone
Tag:	Tag Free
Symbol:	Translin
Synonyms:	BCLF-1; C3PO; RCHF1; REHF-1; TBRBP; TRSLN
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC117228 sequence for NM_004622 edited (data generated by NextGen Sequencing)

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ATGTCTGTGAGCGAGATCTTCGTGGAGCTGCAGGGCTTTTTGGCTGCCGAGCAGGACATC
CGAGAGGAAATCAGAAAAGTTGTACAGAGTTTAGAACAAACAGCTCGAGAGATTTAACT
CTACTGCAAGGGTCCATCAGGGTGCTGGGTTTCAGGACATTCCAAGAGGTGTTTGAAA
GCTCGAGAACATTTTGGTACAGTAAAAACACATCTAACATCTTTGAAGACCAAATTCCT
GCTGAACAGTATTACAGATTTTCATGAGCACTGGAGGTTTGTGTTGCAGCGCTTGGTCTTC
TTGGCAGCATTTGTTGTATTTGGAAACAGAAACACTAGTGACTCGAGAAGCAGTTACA
GAAATTC TTGGCATTGAGCCAGATCGGGAGAAAGGATTTTCATCTGGATGTAGAAGATTAT
CTCTCAGGAGTTCTAATTC TTGCCAGTGAAGTGTGCGAGGCTGTCTGTCAACAGCGTGACT
GCTGGAGACTACTCCCGACCCCTCCACATCTCCACCTTCATCAATGAGCTGGATTCCGGT
TTTCGCCTTCTAACCTGAAAAATGACTCCCTGAGGAAGCGCTACGACGGATTGAAATAT
GACGTGAAGAAAGTAGAGGAAAGTGGTCTATGATCTCTCCATCCGGGGCTTAAATAAGGAG
ACGGCAGCAGCTTGTGTTGAAAAATAG
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Clone variation with respect to NM_004622.2



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_004622 unedited NGGTCGAATTTGTATACGACTCCTATAGGCGGCCCGCAATTCGCACGAGGCGGTAGCGG CGGCCGTTGCGATTGATTGCGCTGGTTGCCTGCGGCGTCCACTTCCTTGCCGCCCTTGC TACTGGCTGATTGTTGTGCAGCCGGCCCATGTCTGTGAGCGAGATCTTCGTGGAGCT GCAGGGCTTTTGGCTGCCGAGCAGGACATCCGAGAGGAAATCAGAAAAGTTGTACAGAG TTTAGAACAACAGCTCGAGAGATTTAACTCTACTGCAAGGGTCCATCAGGGTGTGG GTTTCAGGACATTCCAAGAGGTGTTTGAAGCTCGAGAACATTTTGGTACAGTAAAAAC ACATCTAACATCTTTGAAGACCAAATTTCTGCTGAACAGTATTACAGATTTTCATGAGCA CTGGAGGTTTGTGTTGCAGCGCTTGGTCTTCTTGGCAGCATTGTTGTGATTTGGAAAC AGAAACACTAGTGACTCGAGAAGCAGTTACAGAAATTTCTTGGCATTGAGCCAGATCGGGA GAAAGGATTTTCATCTGGATGTAGAAGATTATCTCTCAGGAGTTCTAATCTTGCCAGTGA ACTGTCGAGGCTGTCTGTCAACAGCGTGACTGCTGGAGACTACTCCCGACCCCTCCACAT CTCCACCTTCATCAATGAGCTGGATTCCGGTTNTCGCCTTCTCAACCTGAAAAATGACTC CCTGAGGAAGCGCTACGACGGATTGAAATATGACGTGAAGAAAAGTAGAGGAAGTGGTCTA TGATCTCTCCATCCGNGCTTTAATANGAGACGGCAGCAGCTTGTGTTGAAAAATAGAGG CTCTCCTTGCTCCTGGCCTTGTGACCTCAGCGGGTGCCAGAAAGGGGTGAGCACAGAGT GCC
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_004622 unedited ACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTACAAAAAACCAAAAA ATTTTATTGCTTTACAACAAGCCAGCAACAACACAAGTGAATAGTTATAAACATGACAC TTCTAAATCCTCAATGGAATTCGAAGACCAGAGTGTGCTTCTCCACTTTAATAGCATT GTTAAAAGTAAATCCACAATCTTGGCAAGTACTTCAATATTCTCAAGCAGAATCAATA CTTAAAGAGGTTAAAAGAAAAACTATTATCAAACGTATTGTCTGTGGGATGATCTAATT TAAAAGCCTTTTATGCTTATCCTGGCAGTGTACTACTGCACATTTAAGTGACCATCA TGGGCACTTTTAAAGAACCTAACTTCACAAAAAGAGCTGTCACAAGAAAATTGTTCTAAA TCCCAATGCACAGTAACTCATGCCTCATTCAACTGCTTTCCTCATGATGAAAAATGTA GTCAGCCTTTAATTGGCCTGATAAAAGCTGTGAAAGGTATGCCAAATGGCCCTTGTAC AAACAGGAAGCCCAAATTTGTTGATCAGGCAAGAAAAGGTGACACTTTTAGATACTCATA TTATTCTGGAAAGCACTTTCTTTCAGTGGGTGCAAAAATACTACGGATTAAGTACCATT TTAATCATCTCAATTCATAGCAAGAGTTTCTGGCACATACTTTAGTACTACTGAA AATTGGGCGTGTGGGAAGACCACCAACAGATTTACATGACTTGCCCCAAACTGTACA TTTAAAACATGACTGGGTGGATAGTCACCAACCTGAAATTTCTACTCTAAACACATTA CCAATCCCACGATTATTTGGNGTGCTTCGGNNTTTGTTTTAATAGAATGAGTCTACTT GTGCCAGCTGTCC
Restriction Sites:	NotI-NotI
ACCN:	NM_004622
Insert Size:	3110 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_004622.2 , NP_004613.1
RefSeq Size:	3408 bp
RefSeq ORF:	687 bp
Locus ID:	7247
UniProt ID:	Q15631
Cytogenetics:	2q14.3
Domains:	Translin
Gene Summary:	<p>This gene encodes a DNA-binding protein which specifically recognizes conserved target sequences at the breakpoint junction of chromosomal translocations. Translin polypeptides form a multimeric structure that is responsible for its DNA-binding activity. Recombination-associated motifs and translin-binding sites are present at recombination hotspots and may serve as indicators of breakpoints in genes which are fused by translocations. These binding activities may play a crucial role in chromosomal translocation in lymphoid neoplasms. This protein encoded by this gene, when complexed with translin-associated protein X, also forms a Mg ion-dependent endoribonuclease that promotes RNA-induced silencing complex (RISC) activation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2012]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1).</p>